Applicant: GANSHA WU AND GUEI-YUAN LUEH
Title: QUERYING METHOD INFORMATION
Docket No.: ITL.1097US

Docket No.: Express Mail:

Atty:

EV 372702103 US Sanjeev K. Sing Under 37 C.F.R. § 10.9(b), Reg. No. 28,994, (713) 468-8880

Sheet 1 of 4

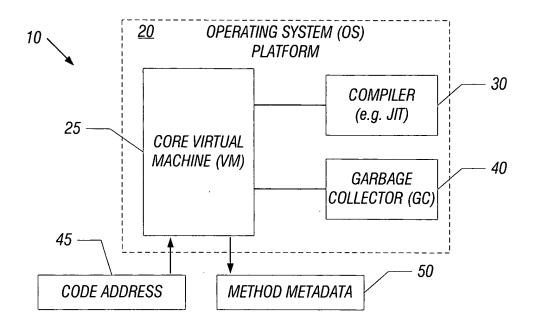


FIG. 1

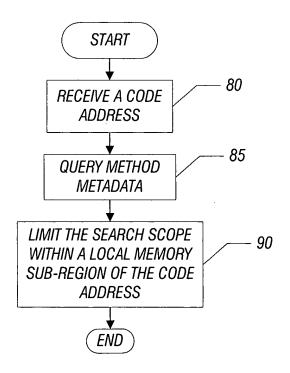
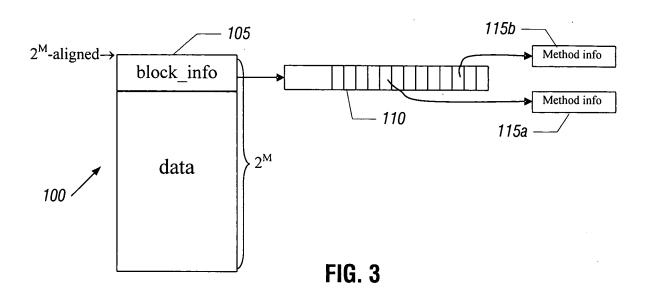


FIG. 2

GANSHA WU AND GUEI-YUAN LUEH QUERYING METHOD INFORMATION Applicant: Title:

Docket No.: ITL.1097US Express Mail:

EV 372702103 US Atty: Sanjeev K. Sing Under 37 C.F.R. § 10.9(b), Reg. No. 28,994, (713) 468-8880



```
block_info* query_block info by addr(void* addr)
  //check whether addr is within the heap
  block_info *bi =
     (block_info*)(((uint32)addr >> M) << M);
  return bi;
}
```

FIG. 4

```
method_info *query_method_info_by_IP(void* ip)
 block_info* bi=query_block_info_by_addr(ip);
 method_lookup_table *mlt=bi->mlt;
```

FIG. 5

Applicant: GANSHA WU AND GUEI-YUAN LUEH Title: QUERYING METHOD INFORMATION

Docket No.: ITL.1097US Express Mail: EV 372702103 US

Atty: Sanjeev K. Sing Under 37 C.F.R. § 10.9(b), Reg. No. 28,994, (713) 468-8880

Sheet 3 of 4

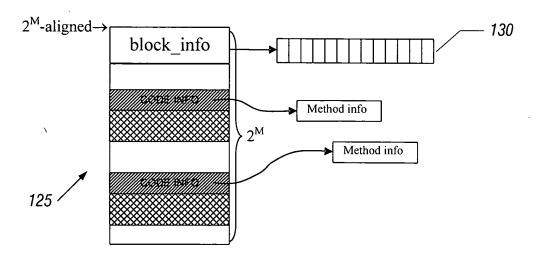


FIG. 6

```
method_info *query_method_info_by_IP(void* ip)
{
  int bit_index = map_address_to_bit_index (A);
  if (bit_index is invalid)
    return NULL;
  bit_index = alloc_bits.last_set_bit_from(bit_index);
  void* code_addr = map_bit_index_to_address (bit_index);
  code_info *ci = (code_info*)code_addr;
  method_info* mi = ci->mi;
}
```

FIG. 7

Applicant: Title: Docket No.: Express Mail: Atty:

GANSHA WU AND GUEI-YUAN LUEH
QUERYING METHOD INFORMATION
ITL.1097US
EV 372702103 US
Sanjeev K. Sing Under 37 C.F.R. § 10.9(b), Reg. No. 28,994, (713) 468-8880
Sheet 4 of 4

